

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

In the Figures

Please replace originally submitted figures 1, 2A-2B, 3A-3D, 4-20, with the accompanying replacement figures in which the legend "Prior Art" has been added to Figures 1 and 2A-2B.

CD
OK to enter
7/7/04



Replacement Sheet

Docket No. 09792909-4863
(Sheet 1 Of 20)

1/20

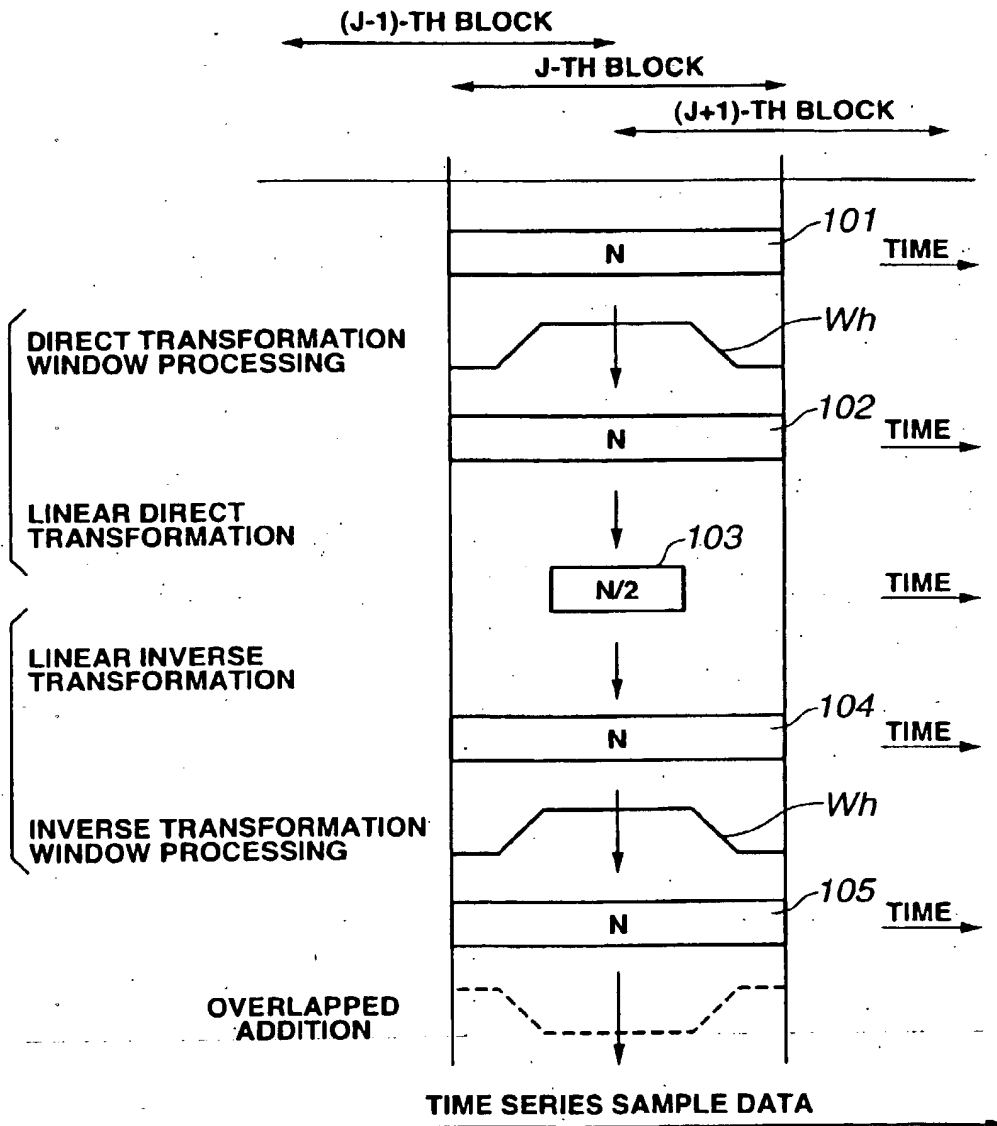


FIG.1

PRIOR ART



Replacement Sheet

Docket No. 09792909-4863

(Sheet 2 of 20)

2/20

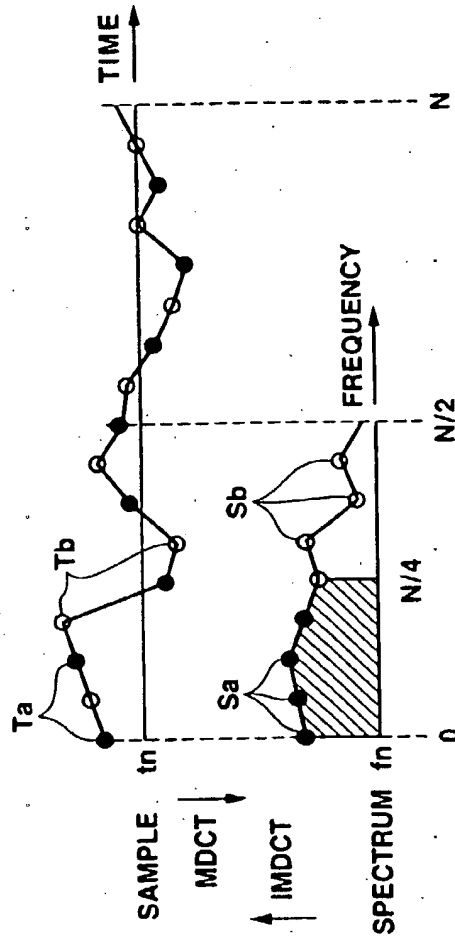


FIG. 2A

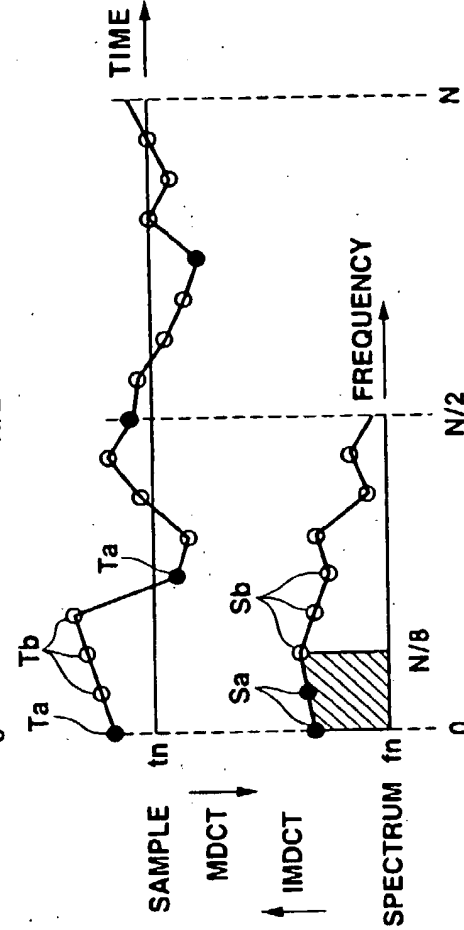


FIG. 2B

PRIOR ART



Docket No. 09792909-4863

(Sheet 3 of 20)

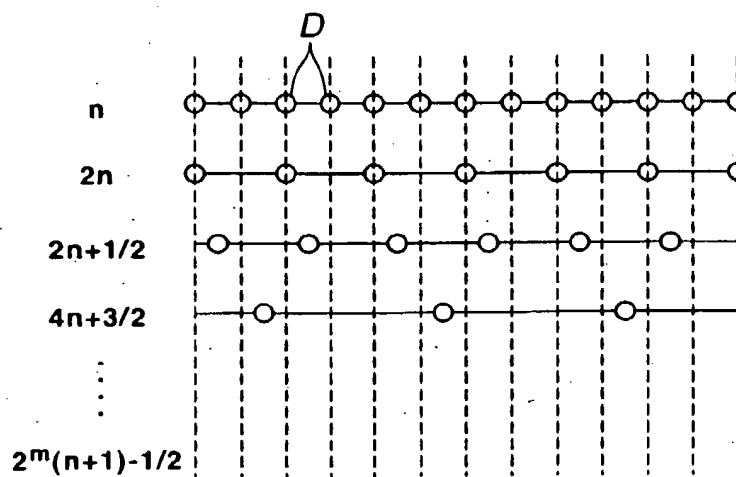
3/20

FIG.3A

FIG.3B

FIG.3C

FIG.3D





Docket No. 09792909-4863

(Sheet 4 of 20)

4/20

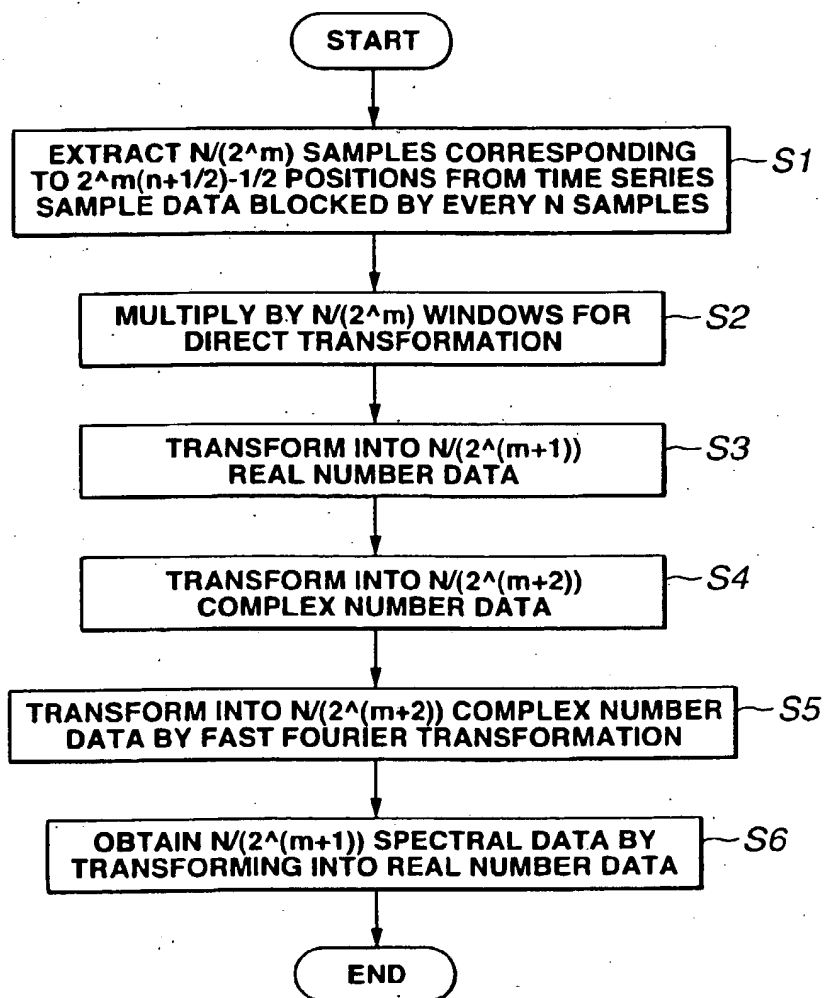


FIG.4

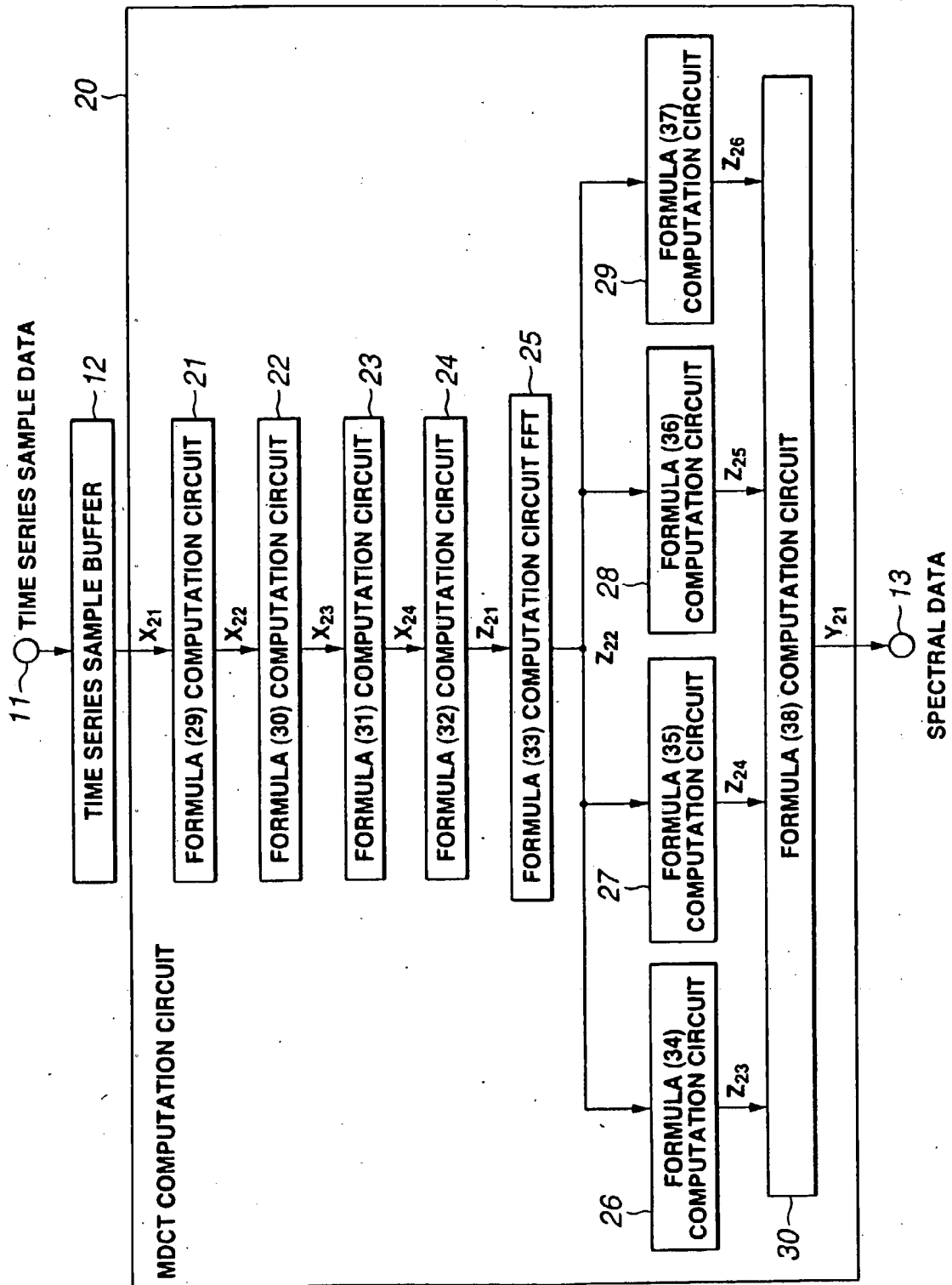


FIG.5

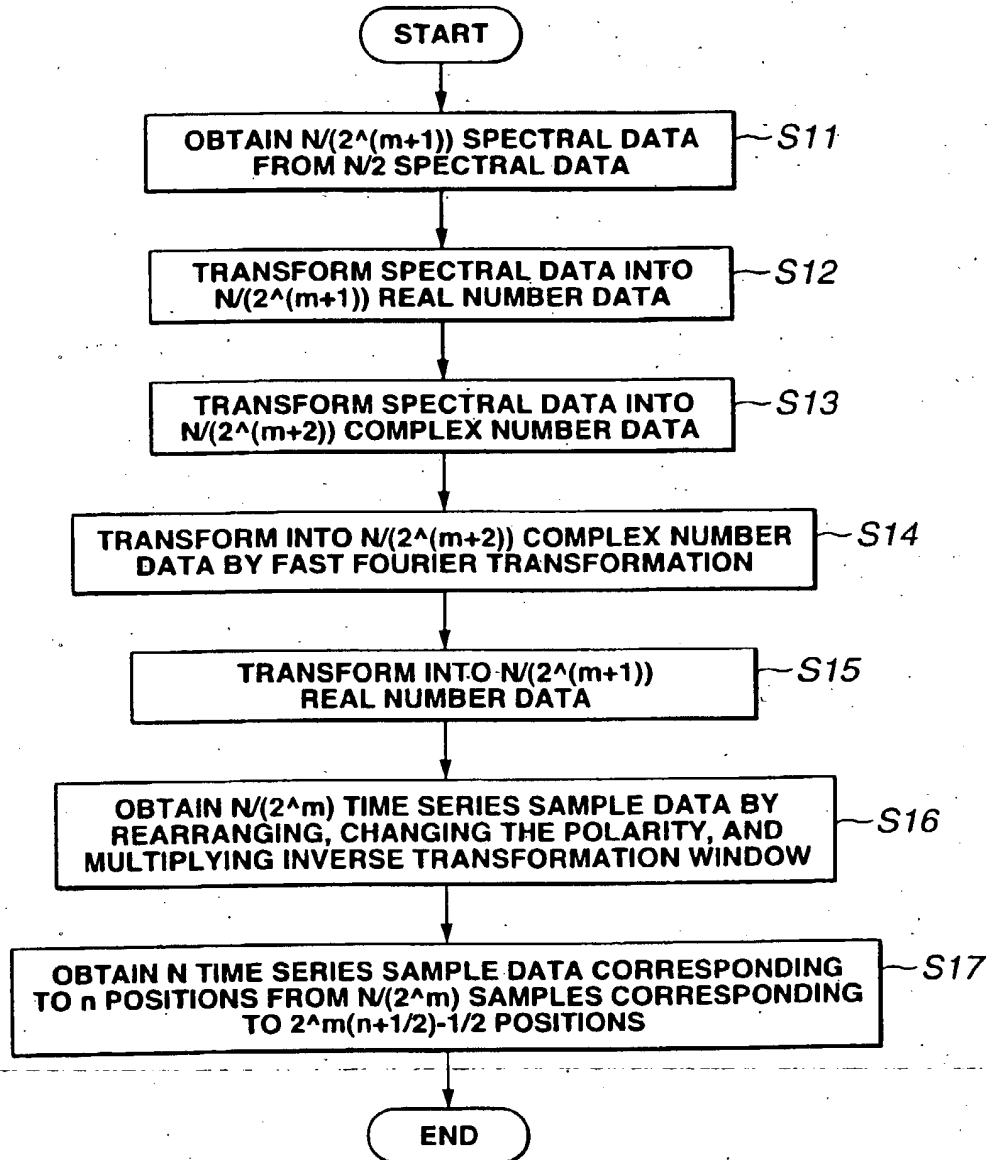


FIG.6

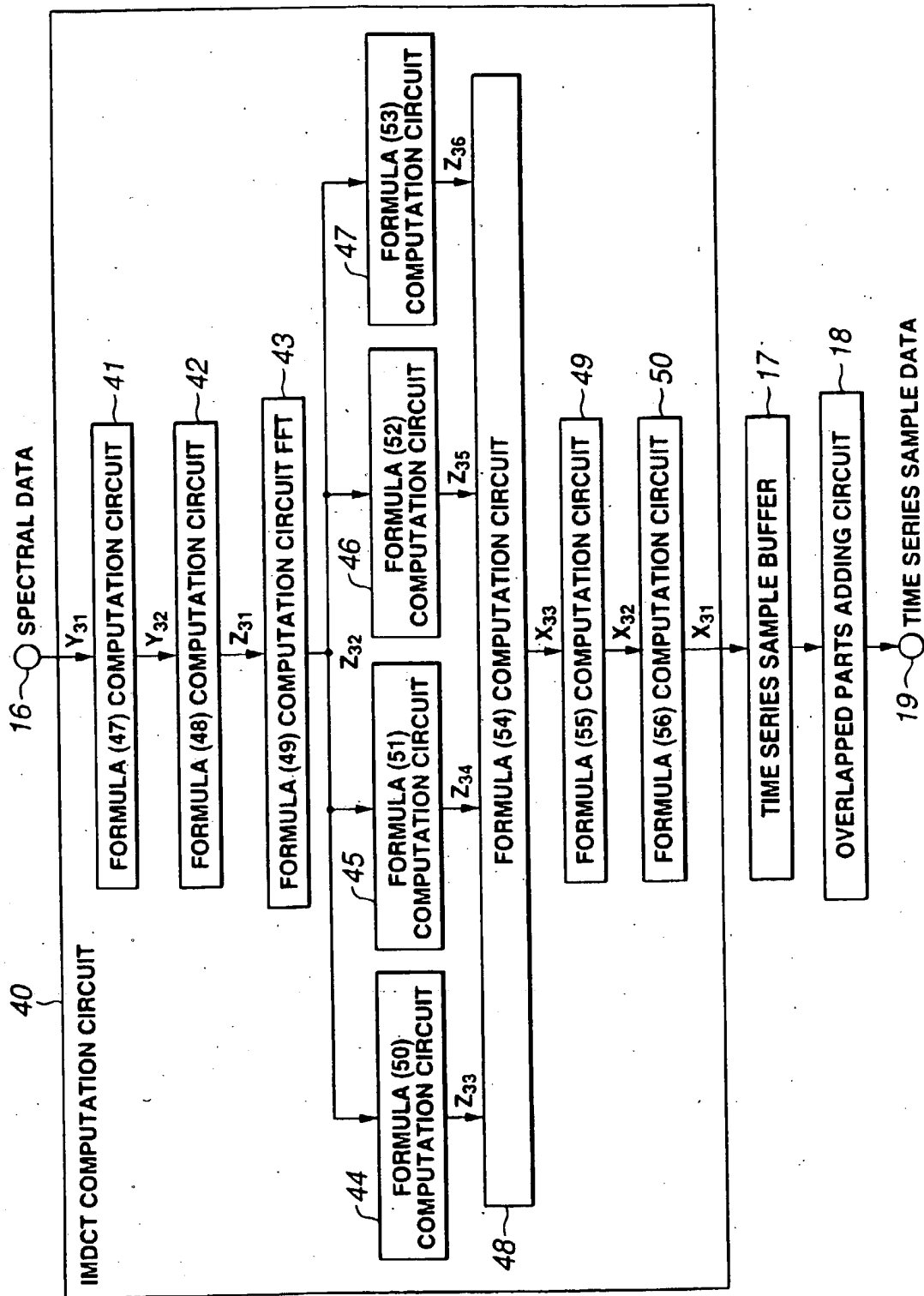


FIG.7



Docket No. 09792909-4863

(Sheet 8 of 20)

8/20

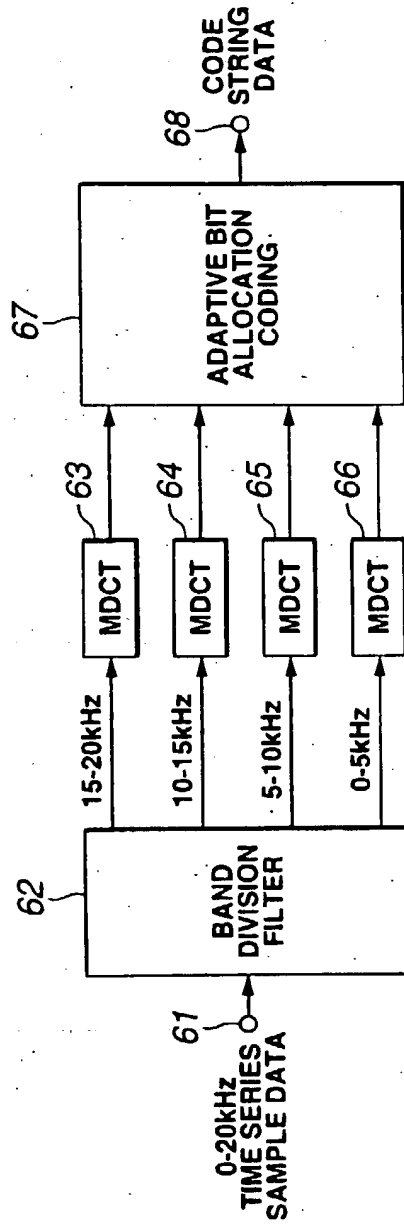


FIG.8

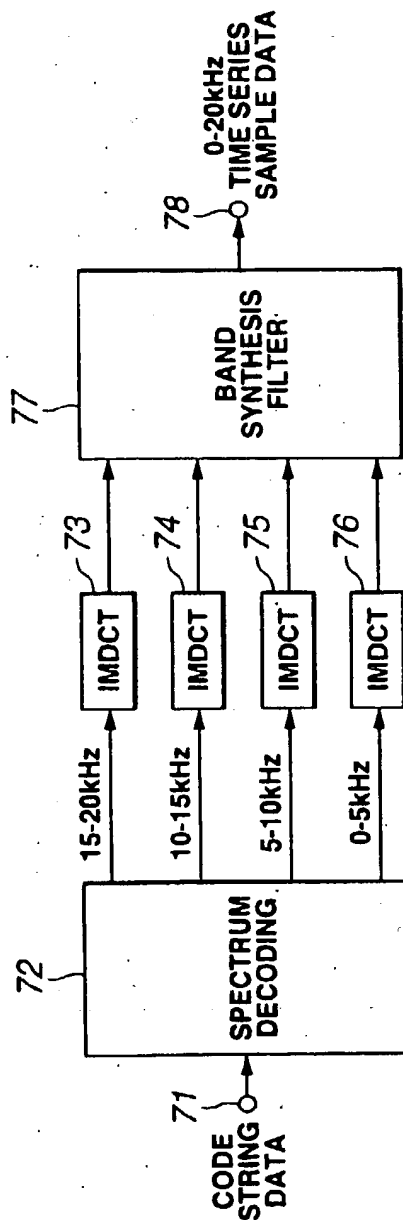


FIG.9

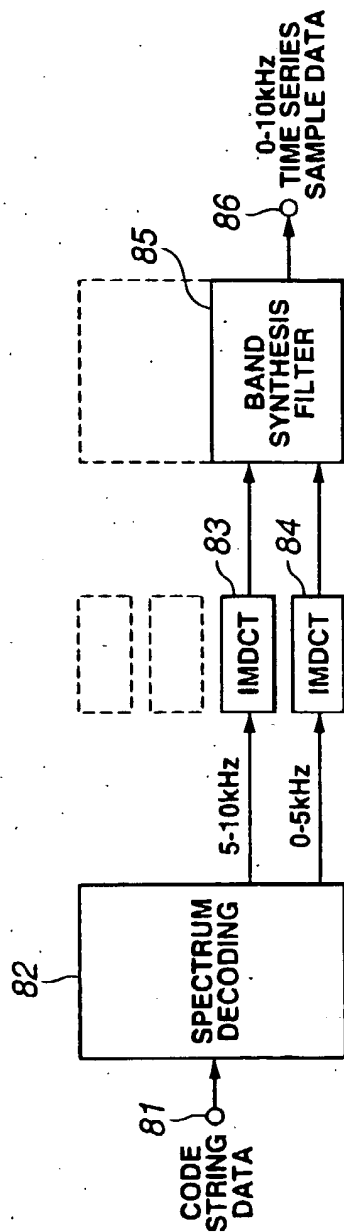


FIG.10



Docket No. 09792909-4863
(Sheet 11 of 20)
11/20

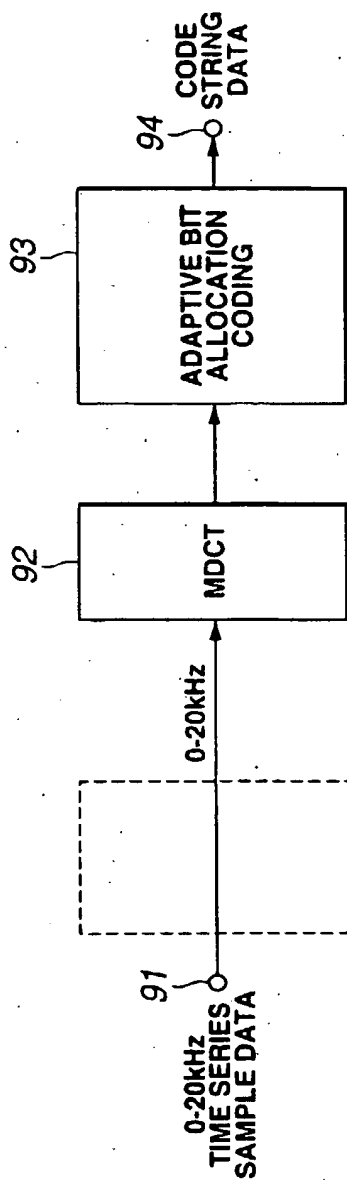


FIG.11

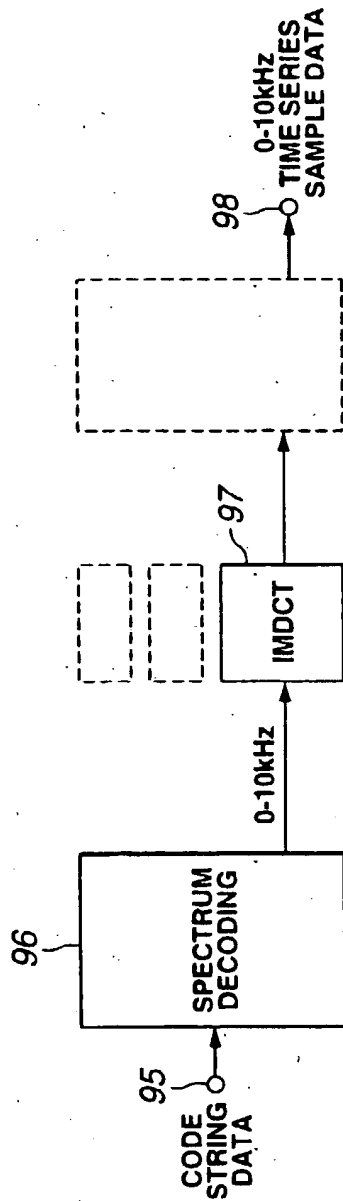


FIG.12

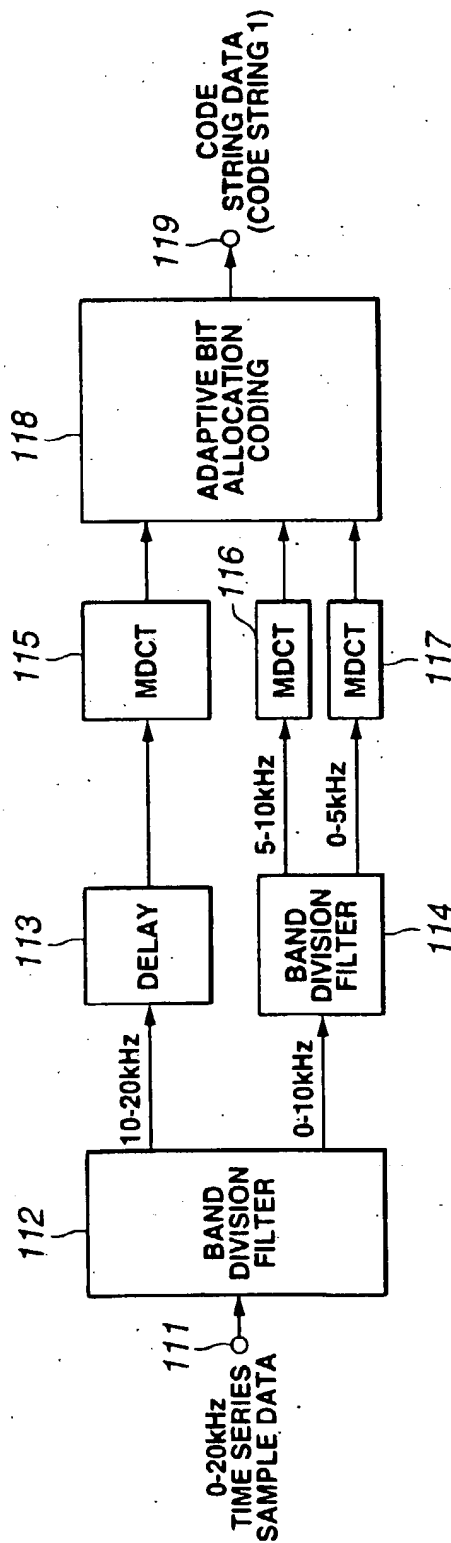


FIG.13

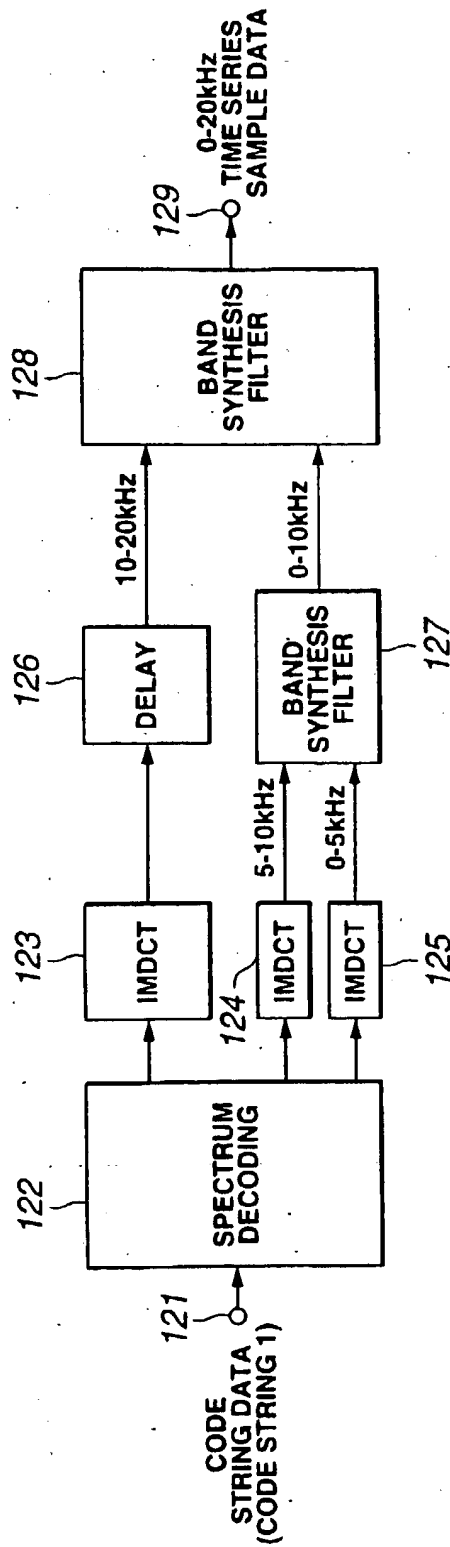


FIG.14

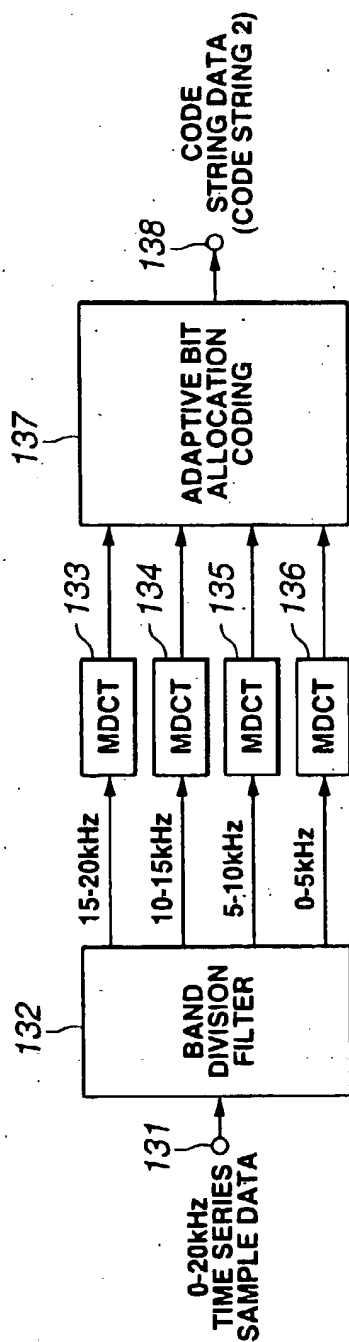


FIG.15

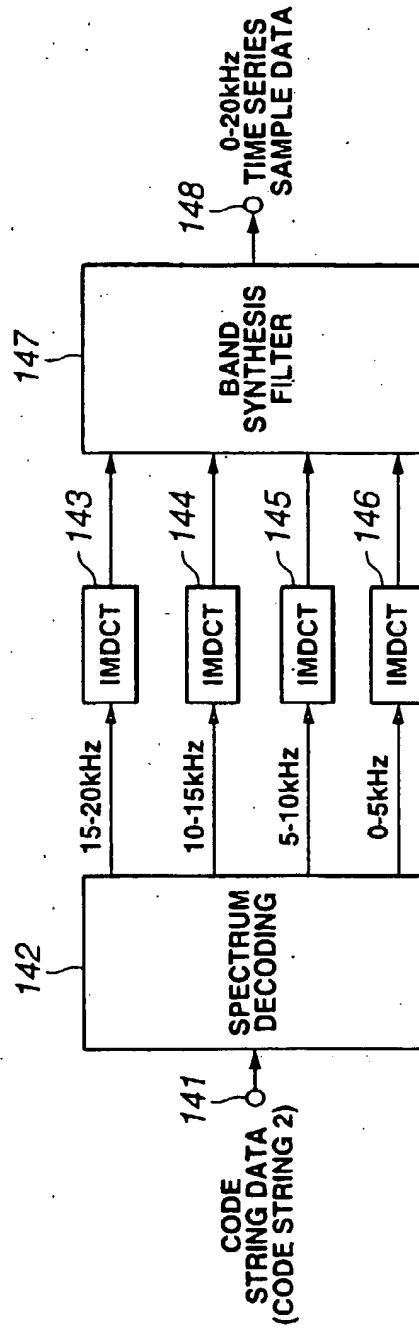


FIG.16

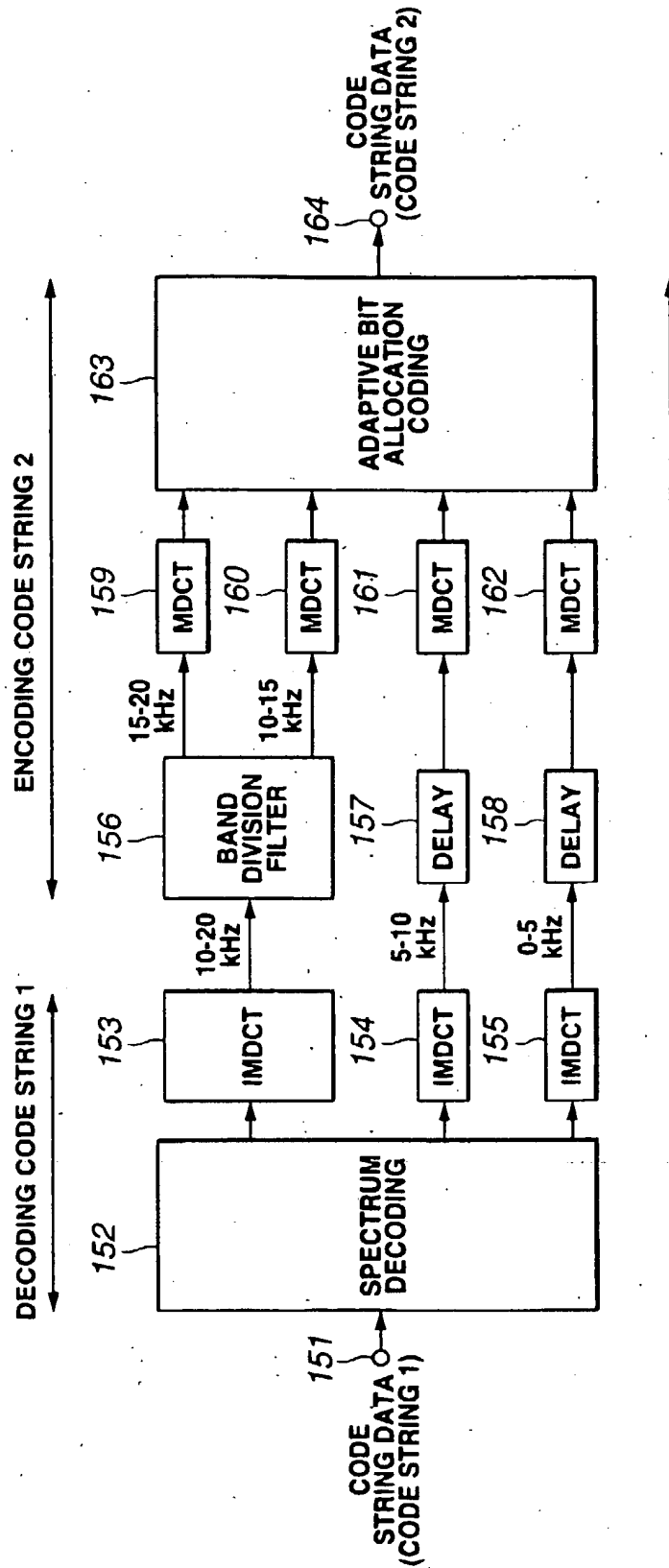


FIG.17

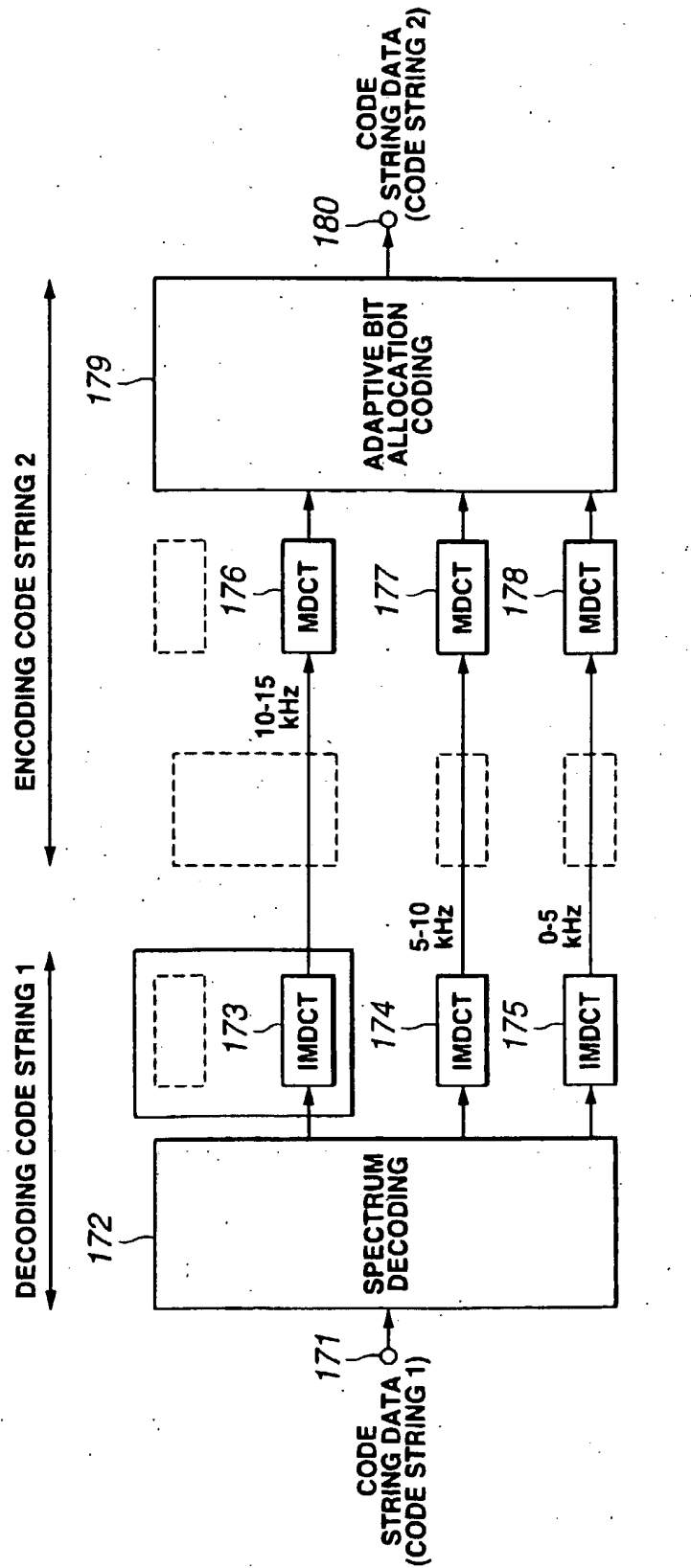


FIG.18

The diagram illustrates a dual-channel audio processing system, divided into two main sections: **ENCODING CODE STRING 1** (top) and **DECODING CODE STRING 2** (bottom).

ENCODING CODE STRING 1 (Top Section):

- Input:** CODE STRING DATA (CODE STRING 1) enters block 204.
- Block 203:** ADAPTIVE BIT ALLOCATION CODING.
- Block 200:** MDCT.
- Block 197:** BAND SYNTHESIS FILTER.
- Block 201:** IMDCT.
- Block 202:** IMDCT.
- Block 198:** DELAY.
- Block 199:** DELAY.

DECODING CODE STRING 2 (Bottom Section):

- Input:** CODE STRING DATA (CODE STRING 2) enters block 191.
- Block 192:** SPECTRUM DECODING.
- Block 193:** IMDCT.
- Block 194:** IMDCT.
- Block 195:** IMDCT.
- Block 196:** IMDCT.
- Block 198:** DELAY.
- Block 199:** DELAY.

Frequency Bands and Connections:

- 15-20 kHz:** Band between blocks 193 and 197.
- 10-15 kHz:** Band between blocks 194 and 197.
- 10-20 kHz:** Band between blocks 200 and 197.
- 5-10 kHz:** Band between blocks 195 and 198.
- 0-5 kHz:** Band between blocks 196 and 199.

Signal Flow:

- From block 192 to 193.
- From block 193 to 194.
- From block 194 to 197.
- From block 197 to 200.
- From block 200 to 203.
- From block 203 to 204.
- From block 191 to 192.
- From block 192 to 193.
- From block 193 to 194.
- From block 194 to 195.
- From block 195 to 198.
- From block 198 to 201.
- From block 201 to 203.
- From block 196 to 199.
- From block 199 to 202.
- From block 202 to 203.

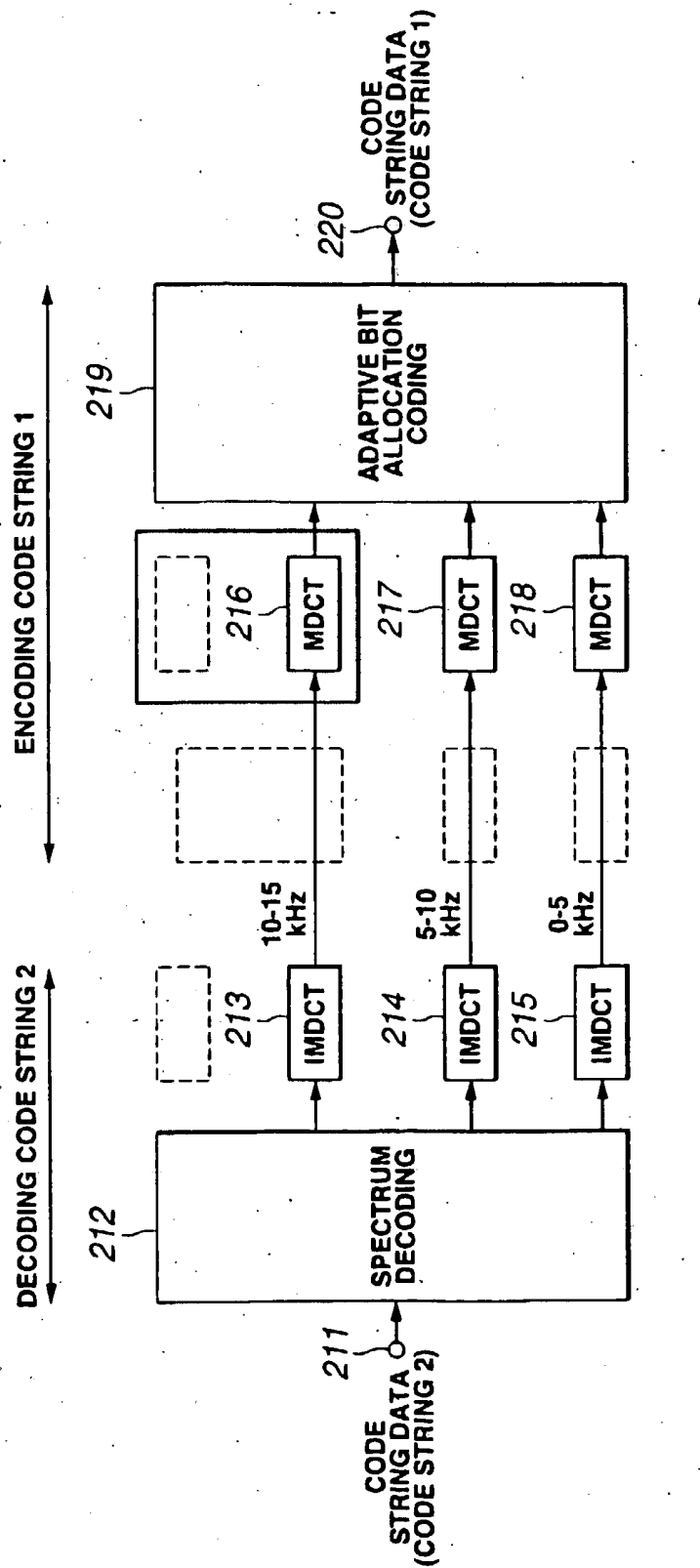


FIG.20